

ECS/EMD Configuration Change Request

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1. Originator Henry Baez	2. Log Date: 12/23/03	3. CCR #: 03-0851	4. Rev: —	5. Tel: 301-925-1025	6. Rm #: 3108G	7. Org. COTS HW
8. CCR Title: Install F-Secure SSH client on PVC and VATC firewalls.						
9. Originator Signature/Date Henry Baez /s/ 12/23/03			10. Class II	11. Type: CCR	12. Need Date: 1/8/2004	
13. CCR Sponsor Signature/Date Pamela Johnson /s/ 12/23/03			14. Category of Change: Initial ECS Baseline Doc.		15. Priority: (If "Emergency" fill in Block 27). Routine	
16. Documentation/Drawings Impacted (Review and submit checklist): 910-TDA-003/TDA-023, 920-TDS/N/L/G/E/P/V-002			17. Schedule Impact:		18. CI(s) Affected:	
19. Release Affected by this Change: N/A		20. Date due to Customer:		21. Estimated Cost: None - Under 100K		
22. Source Reference: <input type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input type="checkbox"/> Other:						
23. Problem: (use additional Sheets if necessary) Synergy has a requirement for parsing anonymous FTP log entries from the firewall. These log files will be send via a script to an internal server for parsing of logs. The way to send the log files propose by the DAACs is to use SSH, secure copy, from firewall to internal server. SSH on the firewall has been requested as a tool to move file from the firewall in a secure manner.						
24. Proposed Solution: (use additional sheets if necessary) For security reasons, having a SSH server on the firewall would be a major security problem. The program Security lead however has approved the loading of a client only SSH package. F-Secure has a client for AIX in the IBM backup file format (bff) that support software installation using the System Management Interface Tool (SMIT). This bff file will be loaded with SMIT on the VATC and PVC firewall for testing. If there are no problems, it will be release to all fielded firewalls. Currently VATC is running AIX 5.1, while PVC is running AIX 4.3.3. Each requires its own version of F-Secure.						
25. Alternate Solution: (use additional sheets if necessary) None.						
26. Consequences if Change(s) are not approved: (use additional sheets if necessary) Sending user ID, passwords, and files/logs in the clear.						
27. Justification for Emergency (If Block 15 is "Emergency"):						
28. Site(s) Affected: <input type="checkbox"/> EDF <input checked="" type="checkbox"/> PVC <input checked="" type="checkbox"/> VATC <input type="checkbox"/> EDC <input type="checkbox"/> GSFC <input type="checkbox"/> LaRC <input type="checkbox"/> NSIDC <input type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
29. Board Comments:			30. Work Assigned To:		31. CCR Closed Date:	
32. SCDV CCB Chair (Sign/Date): Byron V. Peters /s/ 1/8/04			Disposition: <u>Approved</u> App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS			
33. EDF CCB Chair (Sign/Date):			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS			
34. ECS CCB Chair (Sign/Date):			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS			

ADDITIONAL SHEET

CCR #: 03-0851 **Rev: — Originator:** Henry Baez

Telephone: 301-925-1025 **Office:** 3108G

Title of Change: Install F-Secure SSH client on PVC and VATC firewalls.

For PVC firewall:

Create a new directory under /tmp. Call it 'sshbff'. Change directory to /tmp/sshbff.

```
#mkdir /tmp/sshbff <enter>
```

```
#cd /tmp/fixes <enter>
```

FTP the file f-secure-ssh-client-3.2.3-14-aix4.3.3.bff to the directory /tmp/sshbff. Now check that the file is good with the AIX command cksum as follows:

```
# cksum f-secure-ssh-client-3.2.3-14-aix4.3.3.bff
```

The results are shown below:

```
782050354 14438400 f-secure-ssh-client-3.2.3-14-aix4.3.3.bff
```

Now type the following command:

```
#inutoc . <enter>
```

This will build the '.toc' file the installation program needs. Start the SMIT program with the following command:

```
#smit <enter>
```

The first menu heading will read:

Software Installation and Maintenance

Click on the box labeled as follows:

Install and Upgrade Software

Click on the box labeled as follows:

Install and Update from LATEST Available Software

A new menu will pop up. It will display the message/question "INPUT device / directory". Write in the directory path '/tmp/sshbff' where the files are located. Click on 'OK' button.

Next menu will pop up. Take all the defaults. Click on 'OK' button to continue.

A new dialog box will display 'Are You Sure', click on 'OK' button to start installing the file sets. Estimated installation time is less than 5 minutes.

For VATC firewall:

Create a new directory under /tmp. Call it 'sshbff'. Change directory to /tmp/sshbff.

```
#mkdir /tmp/sshbff <enter>
```

```
#cd /tmp/fixes <enter>
```

FTP the file f-secure-ssh-client-3.2.3-14-aix5L.bff to the directory /tmp/sshbff. Now check that the file is good with the AIX command cksum as follows:

```
# cksum f-secure-ssh-client-3.2.3-14-aix5L.bff
```

The results are shown below:

```
271331695 14336000 f-secure-ssh-client-3.2.3-14-aix5L.bff
```

Now type the following command:

```
#inutoc . <enter>
```

This will build the '.toc' file the installation program needs. Start the SMIT program with the following command:

```
#smit <enter>
```

The first menu heading will read:

Software Installation and Maintenance

Click on the box labeled as follows:

Install and Upgrade Software

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A new menu will pop up. It will display the message/question "INPUT device / directory". Write in the directory path '/tmp/sshbff' where the files are located. Click on 'OK' button.

Next menu will pop up. Take all the defaults. Click on 'OK' button to continue.

A new dialog box will display 'Are You Sure', click on 'OK' button to start installing the file sets. Estimated installation time is less than 5 minutes.